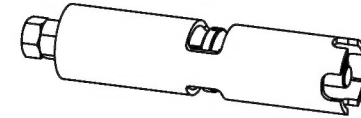
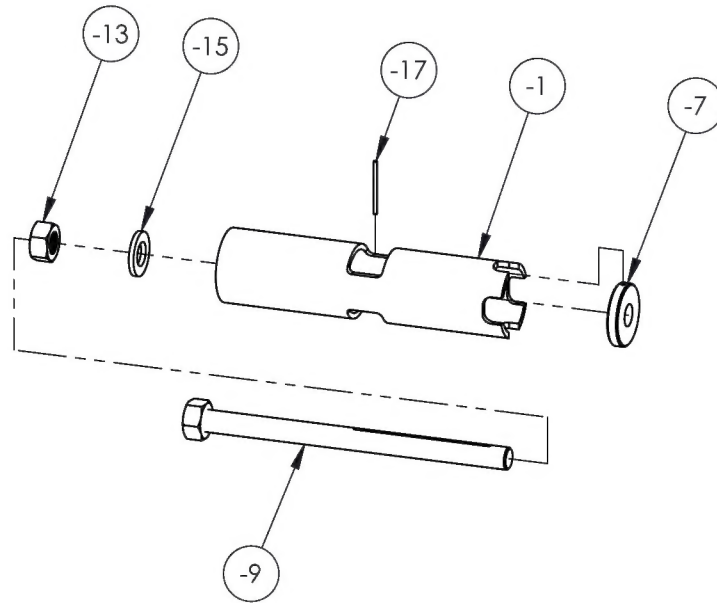


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	2/24/2017	DPD	JAG



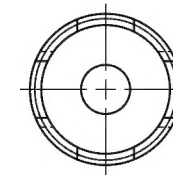
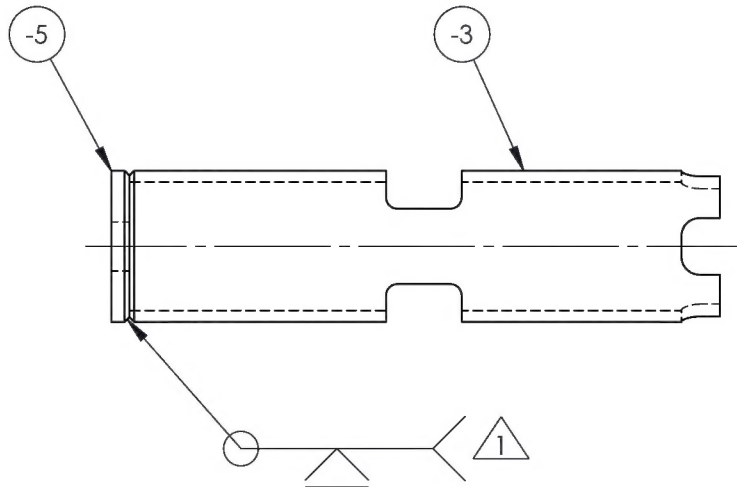
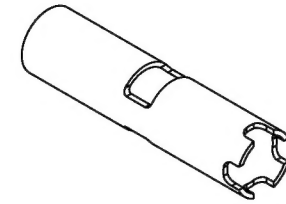
NOTE:
PART OF KIT RBEM323U3006103.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	TUBE WELDMENT			2
	1		-3		TUBE	STEEL TUBE		3
	1		-5		TUBE CAP	A36/1018/1020 HR		4
			-7	1	SPACER	WHITE DELRIN/ACETAL		5
X			-9	1	BOLT WELDMENT			6
1			-11		THREADED ROD	B7	M12 X 1.25mm X 300mm (MCMaster-CARR #95245A110) MODIFIED	7
1		B/O	-13	1	HEX NUT	STEEL	M12 X 1.25mm (MCMaster-CARR #91415A235)	1 & 6
		B/O	-15	1	WASHER	S.S.	M12 (MCMaster-CARR #93475A290)	1
		B/O	-17	1	DOWEL PIN	STEEL	M2 X 30mm (MCMaster-CARR #91595A043)	1
ASSY -9	ASSY -1							

DART AEROSPACE	
TITLE TOOL C	
DWG NO. RBEM323U3006103C	REV 1
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
TREAT None	
FINISH None	
SPEC None	
DRAWN BY: DUERFELDT	USED ON MODEL H175
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:4	DATE 3/18/2016
SHEET 1 OF 7	

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REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	



NOTE:

1 CLEAN UP OD AFTER WELDING.



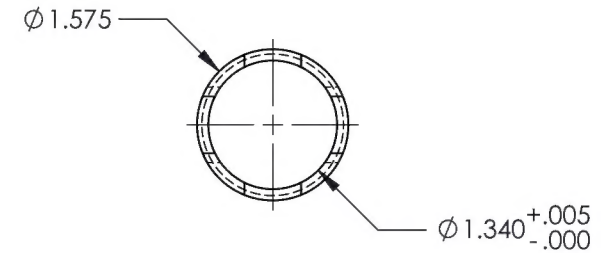
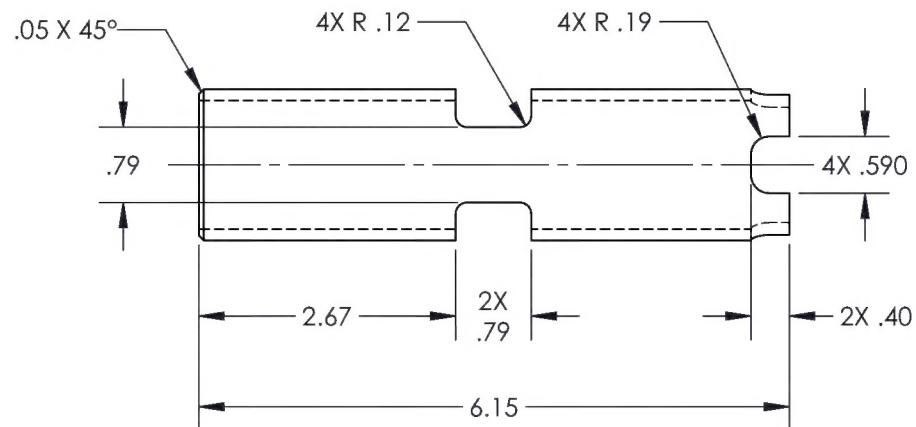
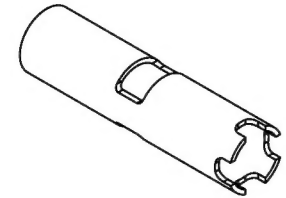
TITLE		TOOL C	
DWG NO.		RBEM323U3006103C-1	
REV		1	
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .010 FRACTIONS ± 1/8	
ZINC PLATE		.XX ± .03 ANGLES ± 1°	
SPEC		.X ± .1 SURFACES = 125	
ASTM B633 TYPE II SC 2		1. BREAK ALL SHARP EDGES	
DRAWN BY: DUERFELDT		.015 x 45° OR .015R	
CHECKED: MACKOVJAK		2. DIMENSIONAL LIMITS APPLY	
OPPS APPR: ANDERSON		AFTER PLATING	
QA APPR: LINDSAY		3. INTERPRET DIM AND TOL PER	
APPROVED: GILBERT		ASME Y14.5M-2009	
SCALE		USED ON MODEL	
1:2		H175	
DATE		3/18/2016	
SHEET 2 OF 7			

(-1)

TUBE WELDMENT

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REV	ECR	DESCRIPTION	DATE



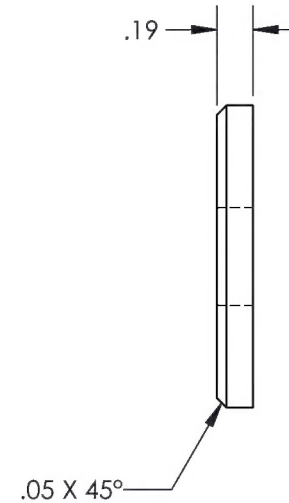
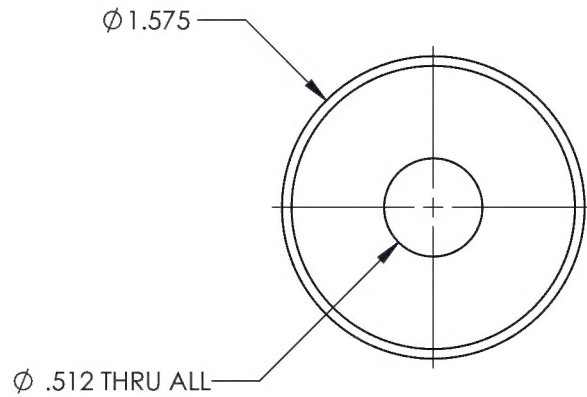
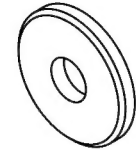
(-3)

TUBE

DART AEROSPACE	
TITLE TOOL C	
DWG NO. RBEM323U3006103C-3	REV 1
MAT'L STEEL TUBE	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:2	DATE 3/18/2016
	SHEET 3 OF 7

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				APPROVED

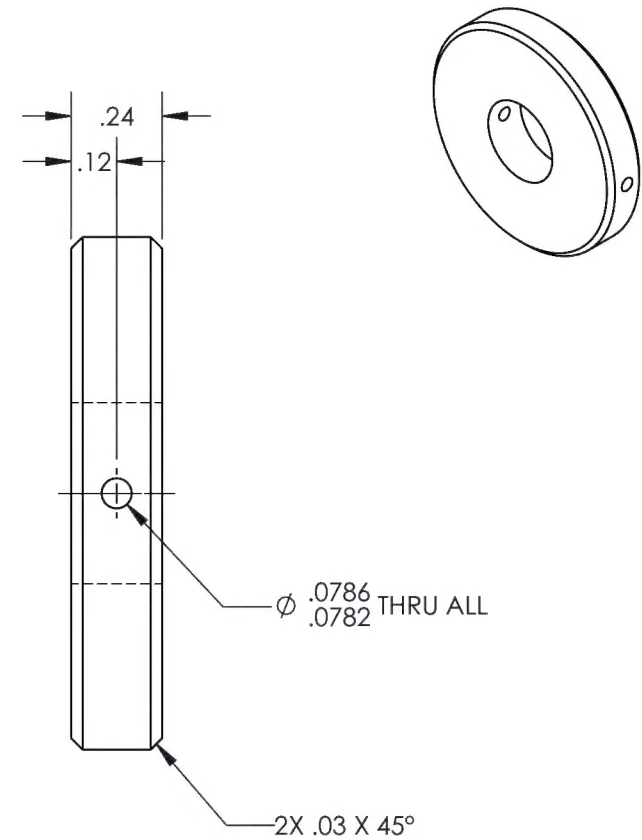
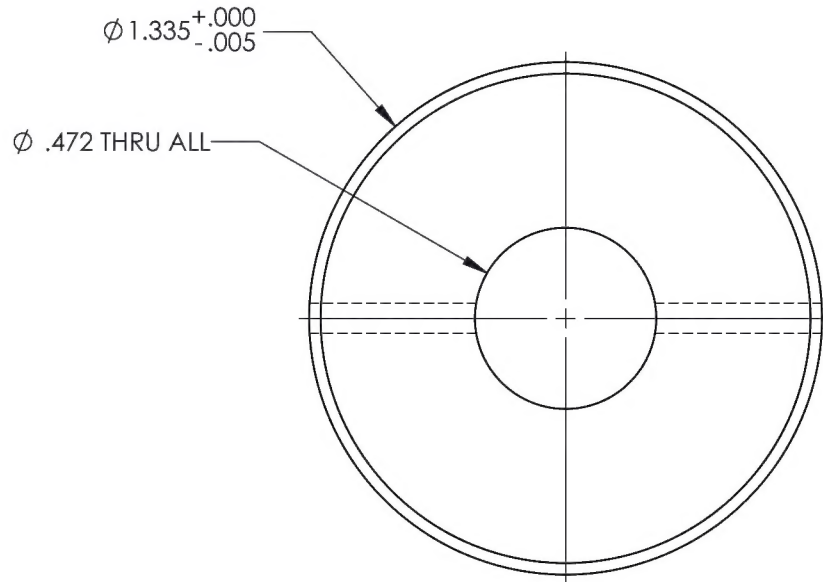


(-5)
TUBE CAP

DART AEROSPACE	
TITLE TOOL C	
DWG NO. RBEM323U3006103C-5	REV 1
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 3/18/2016
	SHEET 4 OF 7

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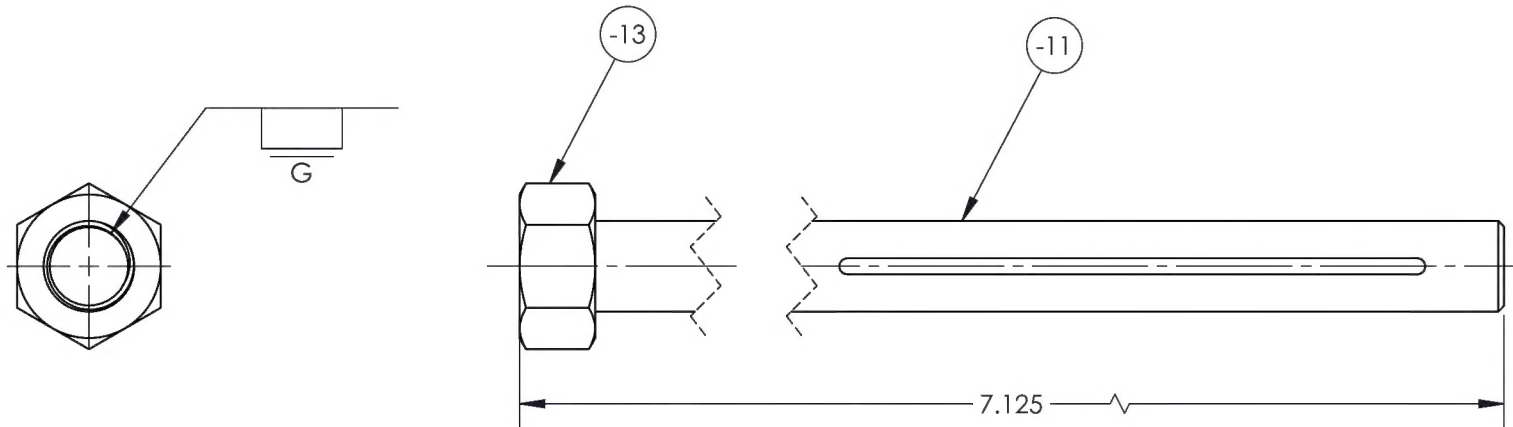
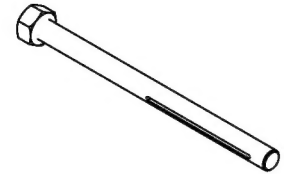


(-7)
SPACER

DART AEROSPACE	
TITLE TOOL C	
DWG NO. RBEM323U3006103C-7	REV 1
MAT'L WHITE DELRIN/ACETAL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC	.XX \pm .01 ANGLES \pm .5°
	.X \pm .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 3/18/2016
	SHEET 5 OF 7

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				APPROVED

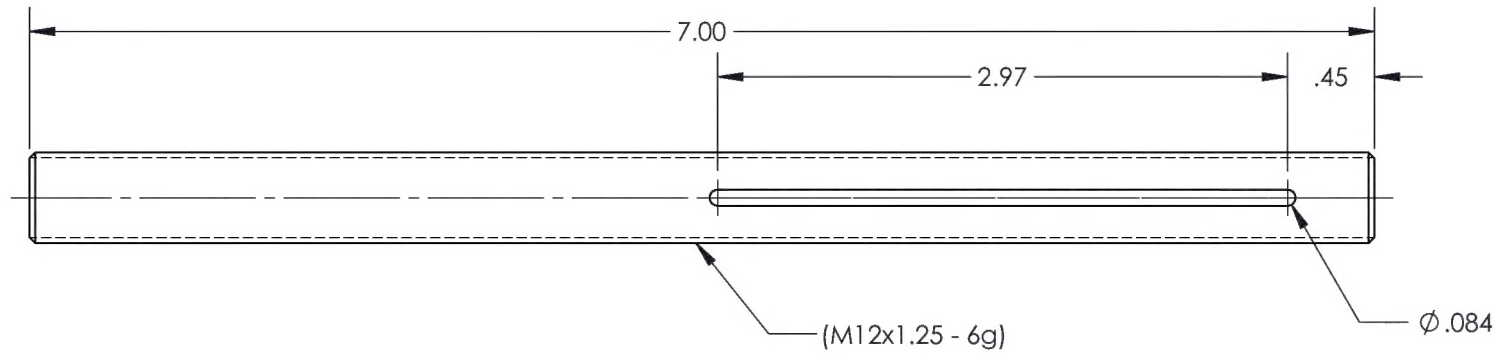


-9
BOLT WELDMENT

DART AEROSPACE	
TITLE	
DWG NO.	RBEM323U3006103C-9
	REV 1
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH ZINC PLATE	.XX ± .03 ANGLES ± 1°
SPEC ASTM B633 TYPE I SC 2	.X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 3/18/2016
	SHEET 6 OF 7

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(11)

THREADED ROD

DART AEROSPACE	
TITLE TOOL C	
DWG NO. RBEM323U3006103C-11	REV 1
MAT'L B7	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -9	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 3/18/2016
	SHEET 7 OF 7